

R Hayes

PAGE: 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/928,074

1645 #7

DATE: 04/28/98  
TIME: 13:07:37

INPUT SET: S25314.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46

(1)

General Information

- (i) APPLICANT: O'Brien, John S.
- (ii) TITLE OF THE INVENTION: METHODS FOR ALLEVIATING NEUROPATHIC PAIN
- (iii) NUMBER OF SEQUENCES: 24
- (iv) CORRESPONDENCE ADDRESS:
  - (A) ADDRESSEE: Fish & Richardson P.C.
  - (B) STREET: 4225 Executive Square, Suite 1400
  - (C) CITY: La Jolla
  - (D) STATE: CA
  - (E) COUNTRY: US
  - (F) ZIP: 92037
- (v) COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: Diskette
  - (B) COMPUTER: IBM Compatible
  - (C) OPERATING SYSTEM: Windows95
  - (D) SOFTWARE: FastSEQ for Windows Version 2.0
- (vi) CURRENT APPLICATION DATA:
  - (A) APPLICATION NUMBER: 08/928,074
  - (B) FILING DATE: 11-SEP-1997
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: 08/611,307
  - (B) FILING DATE: 05-MAR-1996
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: PCT/US97/04143
  - (B) FILING DATE: 05-MAR-1996
- (viii) ATTORNEY/AGENT INFORMATION:
  - (A) NAME: Haile, Ph.D., Lisa A.
  - (B) REGISTRATION NUMBER: 38,347
  - (C) REFERENCE/DOCKET NUMBER: 07256/024001
- (ix) TELECOMMUNICATION INFORMATION:
  - (A) TELEPHONE: 619/678-5070
  - (B) TELEFAX: 619/678-5099

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/928,074DATE: 04/28/98  
TIME: 13:07:38

INPUT SET: S25314.raw

47 (2) INFORMATION FOR SEQ ID NO:1:  
48  
49 (i) SEQUENCE CHARACTERISTICS:  
50 (A) LENGTH: 22 amino acids  
51 (B) TYPE: amino acid  
52 (D) TOPOLOGY: linear  
53  
54 (ii) MOLECULE TYPE: peptide  
55  
56 (v) FRAGMENT TYPE: internal  
57  
58 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
59 Cys Glu Phe Leu Val Lys Glu Val Thr Lys Leu Ile Asp Asn Asn Lys  
60 1 5 10 15  
61 Thr Glu Lys Glu Ile Leu  
62 20  
63  
64 (2) INFORMATION FOR SEQ ID NO:2:  
65  
66 (i) SEQUENCE CHARACTERISTICS:  
67 (A) LENGTH: 14 amino acids  
68 (B) TYPE: amino acid  
69 (D) TOPOLOGY: linear  
70  
71 (ii) MOLECULE TYPE: peptide  
72  
73 (ix) FEATURE:  
74 (B) LOCATION: 2...2  
75 (D) OTHER INFORMATION: Ala at position 2 is a D-enantiomer  
76  
77 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
78 Thr Ala Leu Ile Asp Asn Asn Ala Thr Glu Glu Ile Leu Tyr  
79 1 5 10  
80  
81 (2) INFORMATION FOR SEQ ID NO:3:  
82  
83 (i) SEQUENCE CHARACTERISTICS:  
84 (A) LENGTH: 12 amino acids  
85 (B) TYPE: amino acid  
86 (D) TOPOLOGY: linear  
87  
88 (ii) MOLECULE TYPE: peptide  
89  
90 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
91 Leu Ile Asp Asn Asn Lys Thr Glu Lys Glu Ile Leu  
92 1 5 10  
93  
94 (2) INFORMATION FOR SEQ ID NO:4:  
95  
96 (i) SEQUENCE CHARACTERISTICS:  
97  
98  
99

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/928,074DATE: 04/28/98  
TIME: 13:07:39

INPUT SET: S25314.raw

100 (A) LENGTH: 22 amino acids  
101 (B) TYPE: amino acid  
102 (D) TOPOLOGY: linear  
103  
104 (ii) MOLECULE TYPE: peptide  
105  
106 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
107 Cys Gln Phe Val Met Asn Lys Phe Ser Glu Leu Ile Val Asn Asn Ala  
108 1 5 10 15  
109 Thr Glu Glu Leu Leu Tyr  
110 20  
111  
112 (2) INFORMATION FOR SEQ ID NO:5:  
113  
114 (i) SEQUENCE CHARACTERISTICS:  
115 (A) LENGTH: 21 amino acids  
116 (B) TYPE: amino acid  
117 (D) TOPOLOGY: linear  
118  
119 (ii) MOLECULE TYPE: peptide  
120  
121 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
122 Cys Gln Leu Val Asn Arg Lys Leu Ser Glu Leu Ile Ile Asn Asn Ala  
123 1 5 10 15  
124 Thr Glu Glu Leu Leu  
125 20  
126  
127 (2) INFORMATION FOR SEQ ID NO:6:  
128  
129 (i) SEQUENCE CHARACTERISTICS:  
130 (A) LENGTH: 22 amino acids  
131 (B) TYPE: amino acid  
132 (D) TOPOLOGY: linear  
133  
134 (ii) MOLECULE TYPE: peptide  
135  
136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
137 Cys Glu Tyr Val Val Lys Lys Val Met Leu Leu Ile Asp Asn Asn Arg  
138 1 5 10 15  
139 Thr Glu Glu Lys Ile Ile  
140 20  
141  
142 (2) INFORMATION FOR SEQ ID NO:7:  
143 (i) SEQUENCE CHARACTERISTICS:  
144 (A) LENGTH: 22 amino acids  
145 (B) TYPE: amino acid  
146 (D) TOPOLOGY: linear  
147  
148  
149  
150  
151  
152

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/928,074DATE: 04/28/98  
TIME: 13:07:40

INPUT SET: S25314.raw

153 (ii) MOLECULE TYPE: peptide  
154  
155 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
156 Cys Glu Phe Val Val Lys Glu Val Ala Lys Leu Ile Asp Asn Asn Arg  
157 1 5 10 15  
158 Thr Glu Glu Glu Ile Leu  
159 20  
160  
161 (2) INFORMATION FOR SEQ ID NO:8:  
162  
163 (i) SEQUENCE CHARACTERISTICS:  
164 (A) LENGTH: 22 amino acids  
165 (B) TYPE: amino acid  
166 (D) TOPOLOGY: linear  
167  
168 (ii) MOLECULE TYPE: peptide  
169  
170 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
171 Cys Glu Phe Leu Val Lys Glu Val Thr Lys Leu Ile Asp Asp Asn Lys  
172 1 5 10 15  
173 Thr Glu Lys Glu Ile Leu  
174 20  
175  
176 (2) INFORMATION FOR SEQ ID NO:9:  
177  
178 (i) SEQUENCE CHARACTERISTICS:  
179 (A) LENGTH: 14 amino acids  
180 (B) TYPE: amino acid  
181 (D) TOPOLOGY: linear  
182  
183 (ii) MOLECULE TYPE: peptide  
184  
185 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
186 Thr Lys Leu Ile Asp Asn Asp Lys Thr Glu Lys Glu Ile Leu  
187 1 5 10  
188  
189 (2) INFORMATION FOR SEQ ID NO:10:  
190  
191 (i) SEQUENCE CHARACTERISTICS:  
192 (A) LENGTH: 14 amino acids  
193 (B) TYPE: amino acid  
194 (D) TOPOLOGY: linear  
195  
196 (ii) MOLECULE TYPE: peptide  
197  
198 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
199 Thr Lys Ser Ile Asp Asn Asn Lys Thr Glu Lys Glu Ile Leu  
200  
201  
202  
203  
204  
205

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/928,074DATE: 04/28/98  
TIME: 13:07:41

INPUT SET: S25314.raw

206 1 5 10  
207  
208  
209 (2) INFORMATION FOR SEQ ID NO:11:  
210  
211 (i) SEQUENCE CHARACTERISTICS:  
212 (A) LENGTH: 20 amino acids  
213 (B) TYPE: amino acid  
214 (D) TOPOLOGY: linear  
215  
216 (ii) MOLECULE TYPE: peptide  
217  
218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:  
219 Tyr Val Lys His Gln Gly Leu Asn Lys Asn Ile Asn Leu Asp Ser Val  
220 1 5 10 15  
221 Asp Gly Val Pro  
222 20  
223  
224  
225 (2) INFORMATION FOR SEQ ID NO:12:  
226  
227 (i) SEQUENCE CHARACTERISTICS:  
228 (A) LENGTH: 15 amino acids  
229 (B) TYPE: amino acid  
230 (D) TOPOLOGY: linear  
231  
232 (ii) MOLECULE TYPE: peptide  
233  
234 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:  
235 Glu Ala Leu Ala Glu Asn Asn Leu Asn Leu Pro Lys Met Ala Gly  
236 1 5 10 15  
237  
238  
239 (2) INFORMATION FOR SEQ ID NO:13:  
240  
241 (i) SEQUENCE CHARACTERISTICS:  
242 (A) LENGTH: 17 amino acids  
243 (B) TYPE: amino acid  
244 (D) TOPOLOGY: linear  
245  
246 (ii) MOLECULE TYPE: peptide  
247  
248 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:  
249 Leu Gln Met Ile Leu Asn Gly Ile Asn Asn Tyr Lys Asn Pro Lys Leu  
250 1 5 10 15  
251 Thr  
252  
253  
254  
255  
256  
257 (2) INFORMATION FOR SEQ ID NO:14:  
258

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/928,074**

DATE: 04/28/98  
TIME: 13:07:42

*INPUT SET: S25314.raw*

Line

Error

Original Text